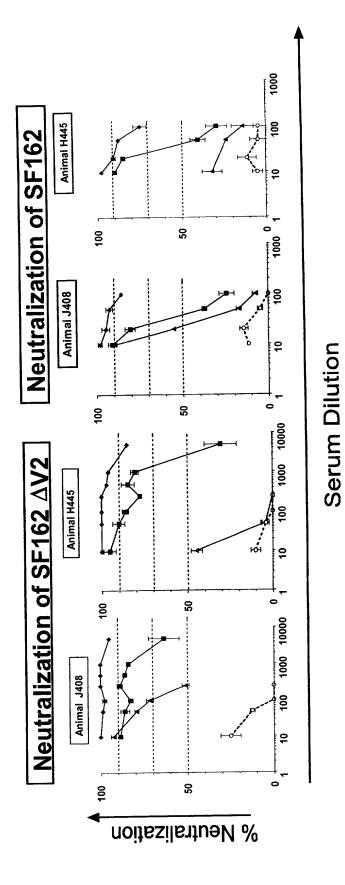
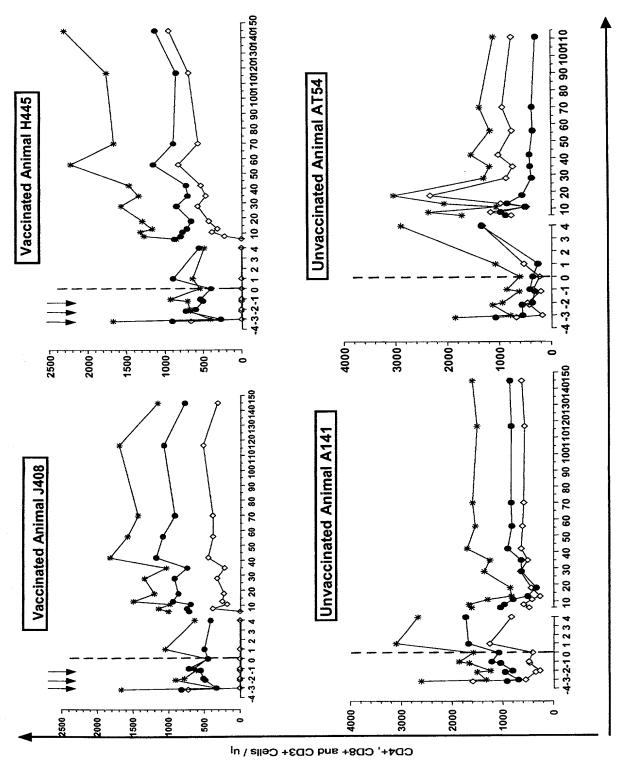


2570-1-001N FIGURE 1

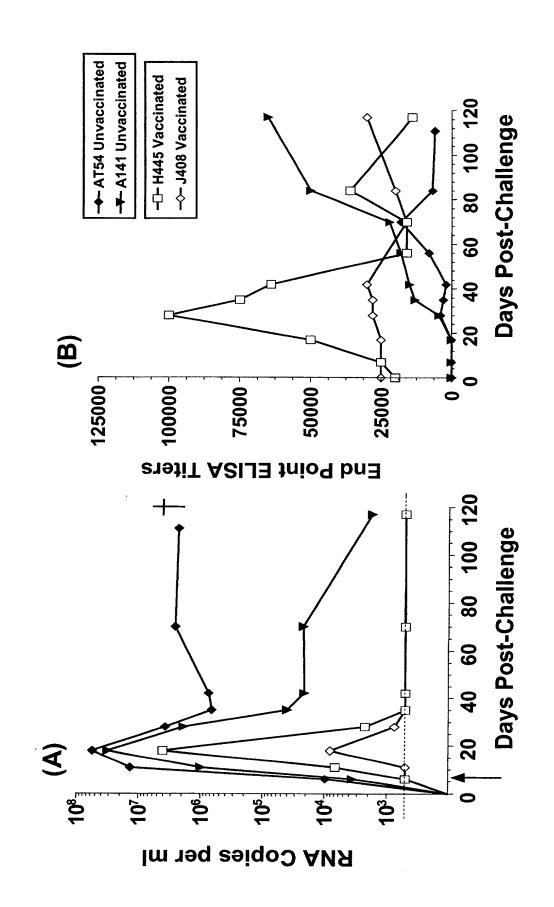


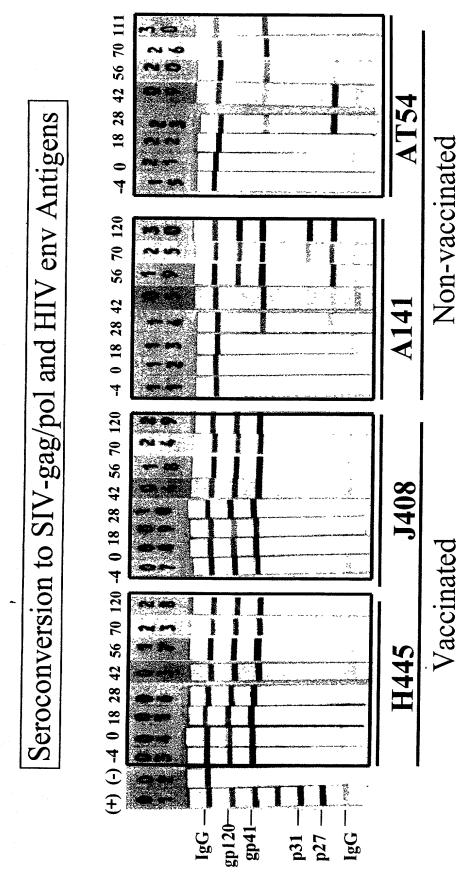
2570-1-001N FIGURE 2



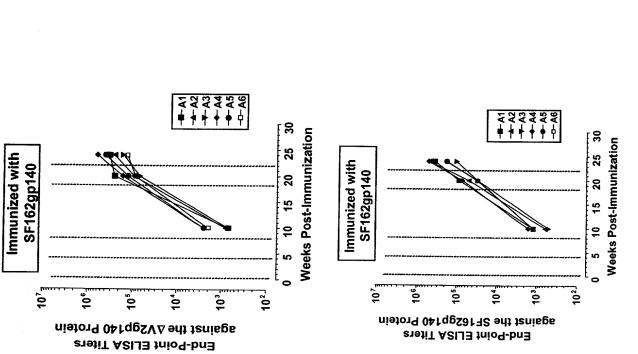
Days Post-Challenge

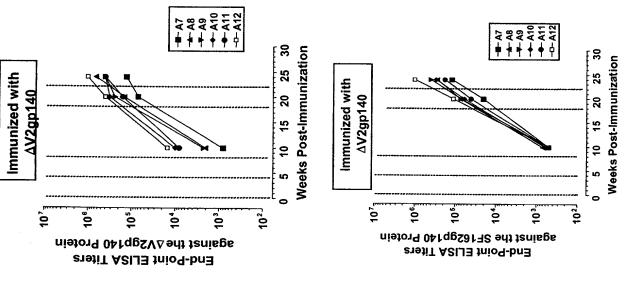
2570-1-001N FIGURE 4



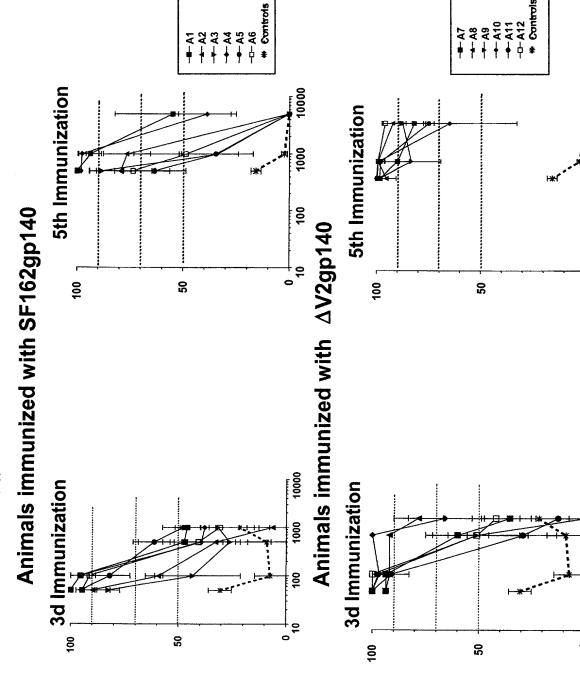


2570-1-001N FIGURE 5





2570-1-001N FIGURE 6



Percent Inhibition of Infection

Serum Dilution

1000

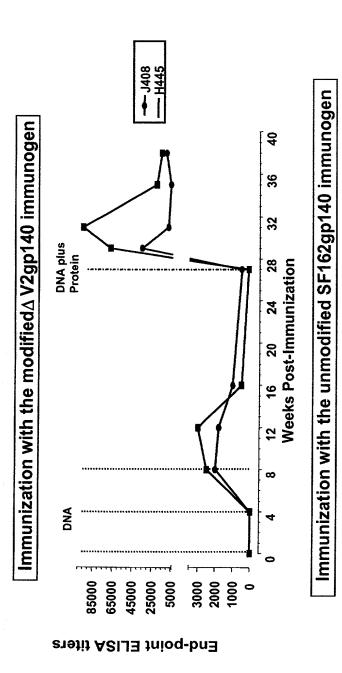
100

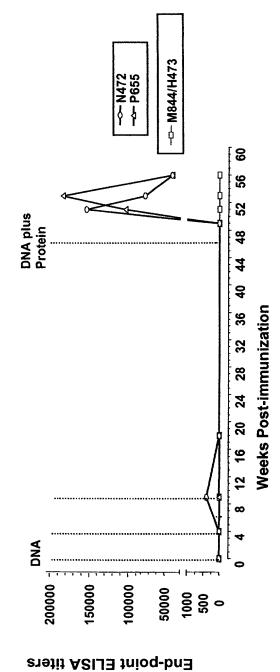
10000

2570-1-001N FIGURE 7B 5th Immunization 5th Immunization 100 9 Animals Immunized with SF162gp140 Animals immunized with AV2gp140 100 20 100 20 1000 3d Immunization 3d Immunization 100 22 100 20

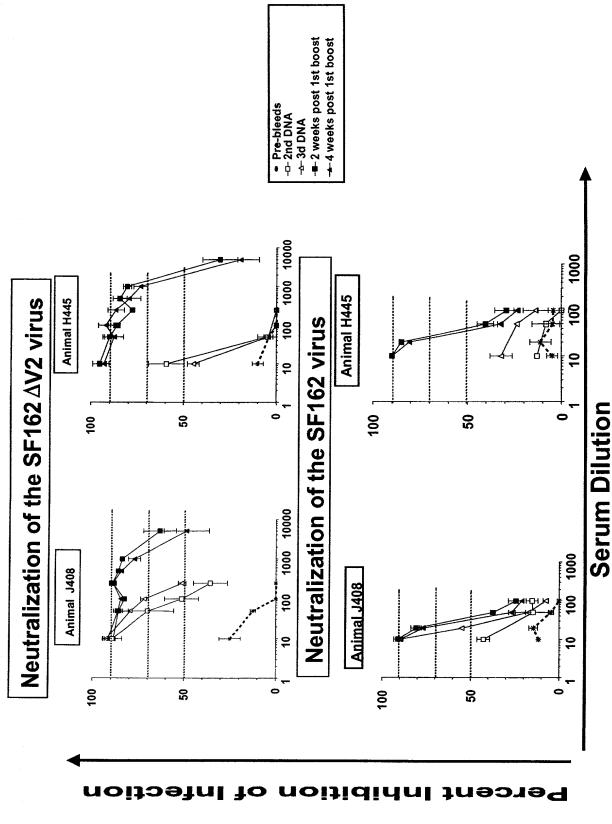
Percent Inhibition of Infection

Serum Dilution

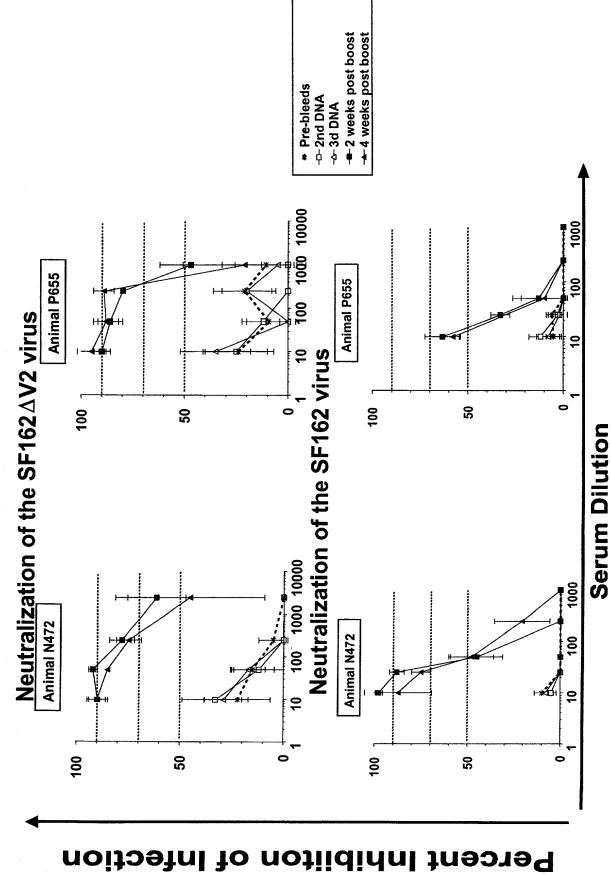




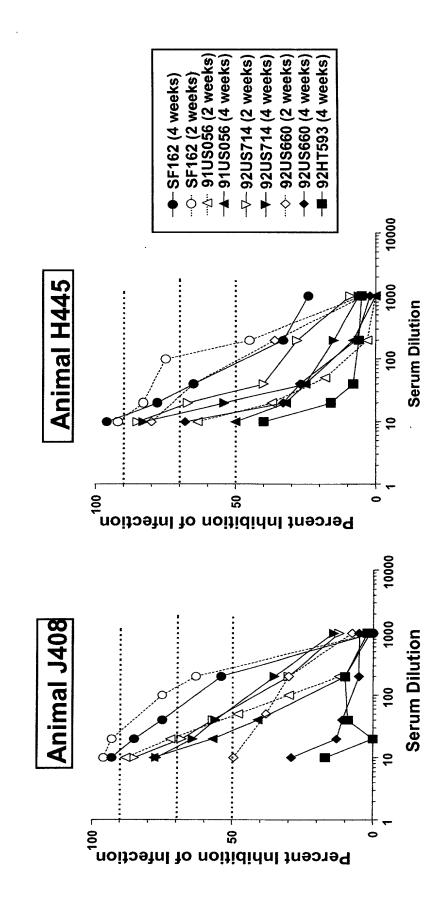
2570-1-001N FIGURE 9A



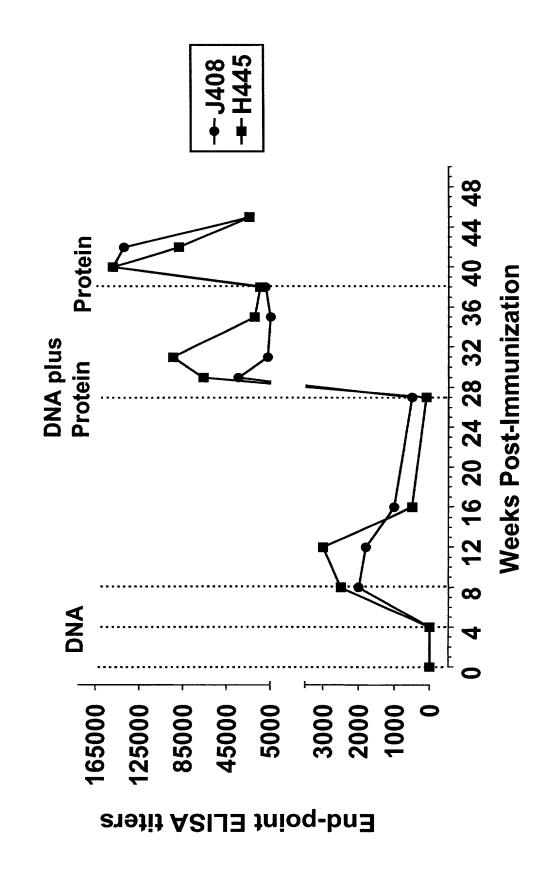
2570-1-001N FIGURE 9B



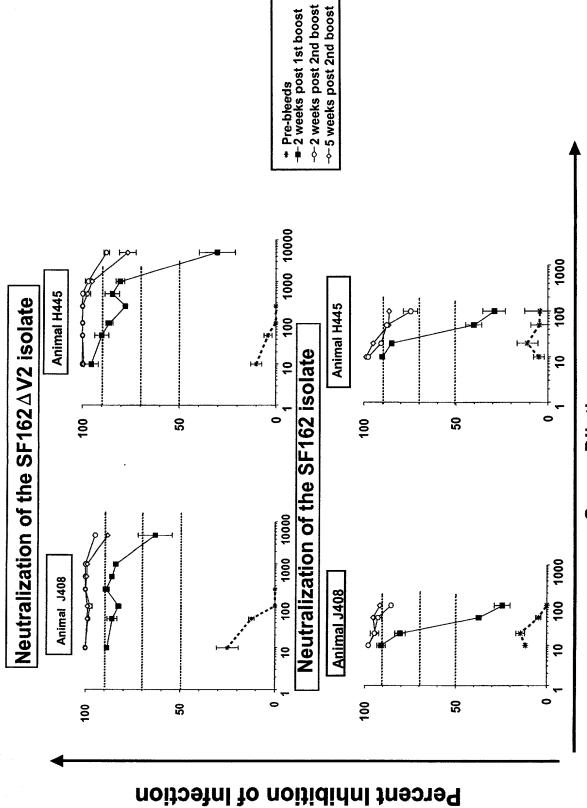
2570-1-001N FIGURE 10



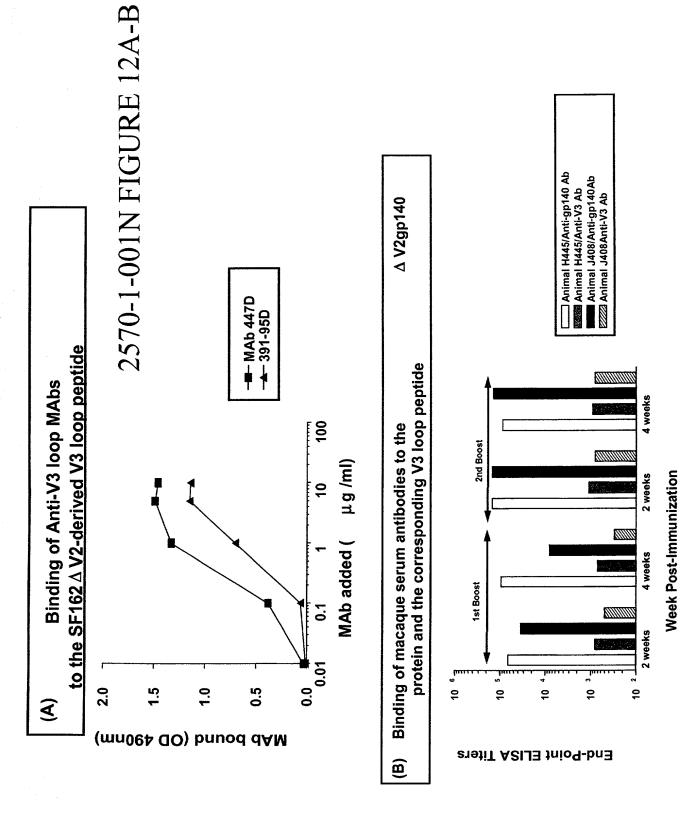
2570-1-001N FIGURE 11A



2570-1-001N FIGURE 11B

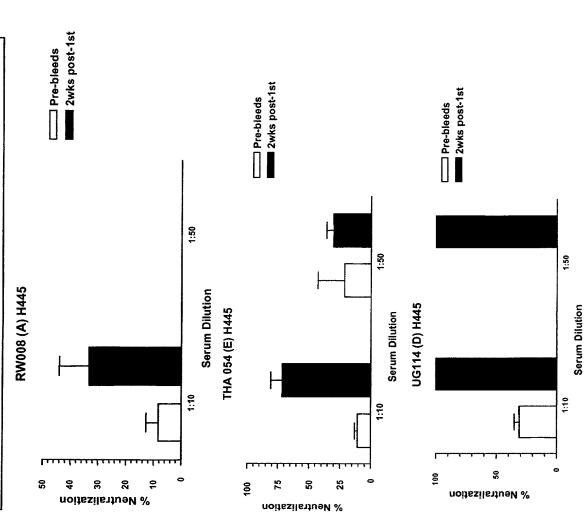


Serum Dilution



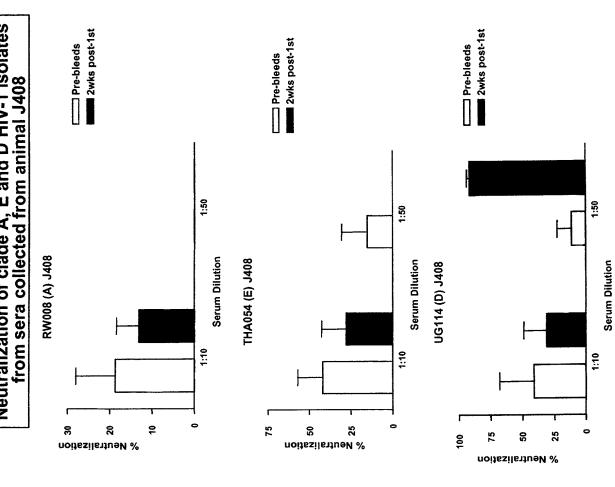
2570-1-001N FIGURE 13A

Neutralization of clade A, E and D HIV-1 viruses from sera collected from animal H445



2570-1-001N FIGURE 13B





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ccttgggatg ttgatgatct gtagtgctgt agaaaaattg tgggtcacag tctattatgg ggtacctgtg tggaaagaag caaccaccac tctattttgt gcatcagatg ctaaagccta tgacacagag gtacataatg tctgggccac acatgcctgt ģtacccacag accctaaccc acaagaaata gtattggaaa atgtgacaga aaattttaac atgtggaaaa ataacatggt agaacagatg catgaggata taatcagttt atgggatcaa agtctaaagc catgtgtaaa gagtagtaat tggaaagaga tggacagagg agaaataaaa aattgctctt tcaaggtc gttaacccca ctctgtgtta ctctacattg cactaatttg aagaatgcta

-GGA-GCT-GGA-

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-GGA-GCT-GGA-

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Amino acid sequence of SF162AV2 gp140

VPVWKEATTTLFCASDAKAYDTEVHNVWATHACVPTDPNPQ MRVKGIRKNYQHLWRGGTLLLGMLMICSAVEKLWVTVYYG PLCVTLHCTNLKNATNTKSSNWKEMDRGEIKNCSFKV-GAG-GSGPCTNVSTVQCTHGIRPVVSTQLLLNGSLAEEGVVIRSENF EIV LE<u>N</u>VTENFNMWKNNMVEQMHEDIISLWDQSLKPCVKLT TDNAKTIIVQLKESVEI<u>N</u>CTRPN<u>N</u>NTRKSITIGPGRAFYATGDI **FITLPCRIKQIINRWQEVGKAMYAPPIRGQIRCSSNITGLLTR** (GDIRQAHC<u>N</u>ISGEKW<u>N</u>NTLKQIVTKLQAQFG<u>N</u>KTIVFKQSS ARVLAVERYLKDQQLLGIWGCSGKLICTTAVPW<u>N</u>ASWS<u>N</u>K KLINCNTSVITQACPKVSFEPIPIHYCAPAGFAILKCNDKKFN GGDPEIVMHSFNCGGEFFYCNSTQLFNSTWNTIGPNNTNG **JGGKEIS<u>N</u>TTEIFRPGGGDMRDNWRSELYKYKVVKIEPLGV** ILTVQARQLLSGIVQQQNNLLRAIEAQQHLLQLTVWGIKLQ **APTKAKRVVQREKRAVTLGAMFLGFLGAAGSTMGARSL** SLDOIWNNMTWMEWEREIDNYTNLIYTLIEESONOOEKNE **QELLELDKWASLWNWFDISKWLWYIK**

Amino acid sequence of SF162AV2 gp140 less 27 amino acid N -terminal sequence

VPVWKEATTTLFCASDAKAYDTEVHNVWATHACVPTDPNPQ PLCVTLHCTNLKNATNTKSSNWKEMDRGEIKNCSFKV-GAG-GSGPCT<u>N</u>VSTVQCTHGIRPVVSTQLLL<u>N</u>GSLAEEGVVIRSE<u>N</u>F EIVLENVTENFNMWKNNMVEQMHEDIISLWDQSLKPCVKLT IDNAKTIIVQLKESVEI<u>N</u>CTRPN<u>N</u>NTRKSITIGPGRAFYATGDI ITLPCRIKQIINRWQEVGKAMYAPPIRGQIRCSS<u>N</u>ITGLLLTR IGDIRQAHC<u>N</u>ISGEKW<u>N</u>NTLKQIVTKLQAQFG<u>N</u>KTIVFKQSS GGDPEIVMHSFNCGGEFFYCNSTQLFNSTWNTIGPNNTNG KLINCNTSVITQACPKVSFEPIPIHYCAPAGFAILKCNDKKFN TLTVQARQLLSGIVQQQNNLLRAIEAQQHLLQLTVWGIKLQ DGGKEIS<u>N</u>TTEIFRPGGGDMRDNWRSELYKYKVVKIEPLGV ARVLAVERY LKDQQLLGIWGCSGKLICTTAVPWNASWSNK APTKAKRRVVQREKRAVTLGAMFLGFLGAAGSTMGARSL SLDQIWNMMTWMEWEREIDNYTNLIYTLIEESQNQQEKNE **QELLELDKWASLWNWFDISKWLWYIK** SAVEKLWVTVYYG